ABSTRACT

The present invention relates to a DNA sequence, a 5'regulatory element allowing the expression of a heterologous gene in a plant cell from a monocotyledonous plant, characterized in that it comprises, in the direction of transcription, a first DNA sequence, which is a functional fragment of the sequence of the maize H3C4 promoter, and a second DNA sequence, which is a functional fragment of the sequence of the first intron of rice actin. The invention also relates to a chimeric gene comprising the DNA sequence of the invention, and plants transformed with the chimeric gene.